

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

October 3, 2006

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor *DWH*

FROM: James D. Smith, Environmental Scientist *DS 10/12/06*

RE: 2006 Second Quarter Water Monitoring, PacifiCorp, Trail Mountain Mine,
C/015/0009, Task ID # 2647

The Trail Mountain Mine is currently idle. The monitoring plan is described in Appendix A of Volume 9 of the MRP.

1. Were data submitted for all of the MRP required sites?

In-mine YES ☒ NO ☐

The mine is sealed, so other than the Oliphant portal discharge (18-1-1 or T-18), which is monitored as a spring, there is no monitoring of underground or in-mine water.

Springs YES ☒ NO ☐

Streams YES ☒ NO ☐

UPDES YES ☒ NO ☐

DMRs were submitted in electronic format (Adobe). There was no discharge from either UPDES point during the second quarter 2006. The mine was sealed in June 2001 and there has been no reported discharge at UPDES UT23728-002 (the mine-water discharge into Cottonwood Creek) since May 2001.

Wells YES ☒ NO ☐

Since July 2004, the water level in TM-3 has been reported as head above the casing

elevation, determined from pressure measured by a gauge on the sealed wellhead.

2. Were all required parameters reported for each site?

Springs	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Streams	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
UPDES	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Wells	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

3. Were any irregularities found in the data?

Listed parameters were outside two standard deviations: "n" is the number of values used to calculate the standard deviation in the Division's database. An asterisk (*) indicates this is not a parameter required by the MRP.

Springs	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Streams	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
UPDES	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Wells	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

In TM-3, water elevation peaked in June 2005, remained steady through October, dropped markedly between November and December 2005, and has been steady since. See chart below.

Water elevation in TM-1B has been increasing since 2002. See chart below.

4. On what date does the MRP require a five-year resampling of baseline water data.

Renewal submittal due 10/21/04, renewal due 02/21/05. Baseline analyses were performed in 2001 and will be repeated every 5 years, i.e., the next baseline analyses will be in 2006.

5. Based on your review, what further actions, if any, do you recommend?

At least one set of water samples, preferably collected at low flow, should be analyzed for 5-year baseline parameters.

6. Does the Mine Operator need to submit more information to fulfill this quarter's monitoring requirements?

YES ☐ NO ☒

6. Follow-up from last quarter, if necessary.

NA

8. Did the Mine Operator respond adequately to queries about missing or irregular data?

YES ☒ NO ☐

